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SEQUENCE LISTING

TECH CENTER 1600/2900

<110> Ebner et al

<120> POLYNUCLEOTIDES ENCODING INTERLEUKIN-20

<130> PF399

<140> US 09/115,832

<141> 1998-07-15

<150> US 60/052,870

<151> 1997-07-16

<150> US 60/055,952

<151> 1997-08-18

<150> US 60/060,140

<151> 1997-09-26

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Met Asp Trp Pro
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cac aac ctg ctg ttt ctt ctt acc att tcc atc ttc ctg ggg ctg ggc 104
His Asn Leu Leu Phe Leu Thr Ile Ser Ile Phe Leu Gly Leu Gly
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cag ccc agg agc ccc aaa agc aag agg aag ggg caa ggg cgg cct ggg 152
Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys Gly Gln Gly Arg Pro Gly
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59

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ccc ctg gcc cct ggc cct cac cag gtg cca ctg gac ctg gtg tca cgg	200
Pro Leu Ala Pro Gly Pro His Gln Val Pro Leu Asp Leu Val Ser Arg	
20 25 30	
atg aaa ccg tat gcc cgc atg gag gag tat gag agg aac atc gag gag	248
Met Lys Pro Tyr Ala Arg Met Glu Glu Tyr Glu Arg Asn Ile Glu Glu	
35 40 45	
atg gtg gcc cag ctg agg aac agc tca gag ctg gcc cag aga aag tgt	296
Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu Ala Gln Arg Lys Cys	
50 55 60	
gag gtc aac ttg cag ctg tgg atg tcc aac aag agg agc ctg tct ccc	344
Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys Arg Ser Leu Ser Pro	
65 70 75 80	
tgg ggc tac agc atc aac cac gac ccc agc cgt atc ccc gtg gac ctg	392
Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg Ile Pro Val Asp Leu	
85 90 95	
ccg gag gca cgg tgc ctg tgt ctg ggc tgt gtg aac ccc ttc acc atg	440
Pro Glu Ala Arg Cys Leu Cys Leu Gly Cys Val Asn Pro Phe Thr Met	
100 105 110	
cag gag gac cgc agc atg gtg agc gtg ccg gtg ttc agc cag gtt cct	488
Gln Glu Asp Arg Ser Met Val Ser Val Pro Val Phe Ser Gln Val Pro	
115 120 125	
gtg cgc cgc cgc ctc tgc ccg cca ccg ccc cgc aca ggg cct tgc cgc	536
Val Arg Arg Arg Leu Cys Pro Pro Pro Pro Arg Thr Gly Pro Cys Arg	
130 135 140	
cag cgc gca gtc atg gag acc atc gct gtg ggc tgc acc tgc atc ttc	584
Gln Arg Ala Val Met Glu Thr Ile Ala Val Gly Cys Thr Cys Ile Phe	
145 150 155 160	
tgaattacct ggcccagaag ccaggccagc agcccgagac catcctcctt gcacctttgt	644
gccaagaaag gcctatgaaa agtaaacact gacttttgaa agcaaaaaaa aaaaaaaaaa	704
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Gly Arg Pro Gly Pro Leu Ala Pro Gly Pro His Gln Val Pro Leu Asp
15 20 25

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61

C' Cont

Leu Val Ser Arg Met Lys Pro Tyr Ala Arg Met Glu Glu Tyr Glu Arg
30 35 40

Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu Ala
45 50 55 60

Gln Arg Lys Cys Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys Arg
65 70 75

Ser Leu Ser Pro Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg Ile
80 85 90

Pro Val Asp Leu Pro Glu Ala Arg Cys Leu Cys Leu Gly Cys Val Asn
95 100 105

Pro Phe Thr Met Gln Glu Asp Arg Ser Met Val Ser Val Pro Val Phe
110 115 120

Ser Gln Val Pro Val Arg Arg Arg Leu Cys Pro Pro Pro Pro Arg Thr
125 130 135 140

Gly Pro Cys Arg Gln Arg Ala Val Met Glu Thr Ile Ala Val Gly Cys
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Thr Cys Ile Phe
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Cys Pro Asn Ser Glu Asp Lys Asn Phe Pro Arg Thr Val Met Val Asn
35 40 45

Leu Asn Ile His Asn Arg Asn Thr Asn Thr Asn Pro Lys Arg Ser Ser
50 55 60

C1
Cont

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62

Asp Tyr Tyr Asn Arg Ser Thr Ser Pro Trp Asn Leu His Arg Asn Glu
65 70 75 80

Asp Pro Glu Arg Tyr Pro Ser Val Ile Trp Glu Ala Lys Cys Arg His
85 90 95

Leu Gly Cys Ile Asn Ala Asp Gly Asn Val Asp Tyr His Met Asn Ser
100 105 110

Val Pro Ile Gln Gln Glu Ile Leu Val Leu Arg Arg Glu Pro Pro His
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Cys Pro Asn Ser Phe Arg Leu Glu Lys Ile Leu Val Ser Val Gly Cys
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Thr Cys Val Thr Pro Ile Val His His Val Ala
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cccaggagcc ccaaaagcaa gaggaagggg caagggcggc ctgggcccct ggncttggn 180
ctcaccaggt gccactggac ctggtgtcac ggntgaaacc gtatgcccgc atggaggagt 240
atgagaggaa catcgaggag atggtggccc agctgaggaa cagctcanag ctgggcccag 300
agaaagtttg angntcaact ttncaagctt ntgggtnttn caacaagnag gtagcctgtt 360
ttncttgng gttannagta tgaatncaag nancncangc gtnntnncng ttngnncttn 420
tcnggagnac gtntnncttn ttttttggg tnnttgaacn ctttnanatn gtagnnggac 480
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<210> 7
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<212> DNA
<213> Artificial sequence

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<223> Contains a Bam HI restriction enzyme site and an efficient signal
for initiation of translation in eukaryotic cells (Kozak, M., J.
Mol. Biol. 196:947-950 (1987))

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<212> DNA
<213> Artificial sequence

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<400> 8
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C1
Cont

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53

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Leu Gly Leu Gly Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys Gly Gln
20 25 30

Gly Arg Pro Gly Pro Leu Ala Pro Gly Pro His Gln Val Pro Leu Asp
35 40 45

Leu Val Ser Arg Met Lys Pro Tyr Ala Arg Met Glu Glu Tyr Glu Arg
50 55 60

Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu Ala
65 70 75 80

Gln Arg Lys Cys Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys Arg
85 90 95

Ser Leu Ser Pro Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg Ile
100 105 110

Pro Val Asp Leu Pro Glu His Gly Ala Cys Val Trp Ala Val
115 120 125

10

64

69